

## § 1.57

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(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, the applicant, an assignee, or anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

[57 FR 2034, Jan. 17, 1992, as amended at 65 FR 54666, Sept. 8, 2000; 77 FR 48818, Aug. 14, 2012]

### § 1.57 Incorporation by reference.

(a) Subject to the conditions and requirements of this paragraph, a reference made in the English language in an application data sheet in accordance with § 1.76 upon the filing of an applica-

tion under 35 U.S.C. 111(a) to a previously filed application, indicating that the specification and any drawings of the application under 35 U.S.C. 111(a) are replaced by the reference to the previously filed application, and specifying the previously filed application by application number, filing date, and the intellectual property authority or country in which the previously filed application was filed, shall constitute the specification and any drawings of the application under 35 U.S.C. 111(a) for purposes of a filing date under § 1.53(b).

(1) If the applicant has provided a correspondence address (§ 1.33(a)), the applicant will be notified and given a period of time within which to file a copy of the specification and drawings from the previously filed application, an English language translation of the previously filed application, and the fee required by § 1.17(i) if it is in a language other than English, and pay the surcharge required by § 1.16(f), to avoid abandonment. Such a notice may be combined with a notice under § 1.53(f).

(2) If the applicant has not provided a correspondence address (§ 1.33(a)), the applicant has three months from the filing date of the application to file a copy of the specification and drawings from the previously filed application, an English language translation of the previously filed application, and the fee required by § 1.17(i) if it is in a language other than English, and pay the surcharge required by § 1.16(f), to avoid abandonment.

(3) An application abandoned under paragraph (a)(1) or (a)(2) of this section shall be treated as having never been filed, unless:

(i) The application is revived under § 1.137; and

(ii) A copy of the specification and any drawings of the previously filed application are filed in the Office.

(4) A certified copy of the previously filed application must be filed in the Office, unless the previously filed application is an application filed under 35 U.S.C. 111 or 363, or the previously filed application is a foreign priority application and the conditions set

forth in §1.55(h) are satisfied with respect to such foreign priority application. The certified copy of the previously filed application, if required by this paragraph, must be filed within the later of four months from the filing date of the application or sixteen months from the filing date of the previously filed application, or be accompanied by a petition including a showing of good and sufficient cause for the delay and the petition fee set forth in §1.17(g).

(b) Subject to the conditions and requirements of this paragraph, if all or a portion of the specification or drawing(s) is inadvertently omitted from an application, but the application contains a claim under §1.55 for priority of a prior-filed foreign application, or a claim under §1.78 for the benefit of a prior-filed provisional, nonprovisional, or international application, that was present on the filing date of the application, and the inadvertently omitted portion of the specification or drawing(s) is completely contained in the prior-filed application, the claim under §1.55 or §1.78 shall also be considered an incorporation by reference of the prior-filed application as to the inadvertently omitted portion of the specification or drawing(s).

(1) The application must be amended to include the inadvertently omitted portion of the specification or drawing(s) within any time period set by the Office, but in no case later than the close of prosecution as defined by §1.114(b), or abandonment of the application, whichever occurs earlier. The applicant is also required to:

(i) Supply a copy of the prior-filed application, except where the prior-filed application is an application filed under 35 U.S.C. 111;

(ii) Supply an English language translation of any prior-filed application that is in a language other than English; and

(iii) Identify where the inadvertently omitted portion of the specification or drawings can be found in the prior-filed application.

(2) Any amendment to an international application pursuant to paragraph (b)(1) of this section shall be effective only as to the United States, and shall have no effect on the inter-

national filing date of the application. In addition, no request under this section to add the inadvertently omitted portion of the specification or drawings in an international application designating the United States will be acted upon by the Office prior to the entry and commencement of the national stage (§1.491) or the filing of an application under 35 U.S.C. 111(a) which claims benefit of the international application. Any omitted portion of the international application which applicant desires to be effective as to all designated States, subject to PCT Rule 20.8(b), must be submitted in accordance with PCT Rule 20.

(3) If an application is not otherwise entitled to a filing date under §1.53(b), the amendment must be by way of a petition pursuant to §1.53(e) accompanied by the fee set forth in §1.17(f).

(c) Except as provided in paragraph (a) or (b) of this section, an incorporation by reference must be set forth in the specification and must:

(1) Express a clear intent to incorporate by reference by using the root words “incorporat(e)” and “reference” (*e.g.*, “incorporate by reference”); and

(2) Clearly identify the referenced patent, application, or publication.

(d) “Essential material” may be incorporated by reference, but only by way of an incorporation by reference to a U.S. patent or U.S. patent application publication, which patent or patent application publication does not itself incorporate such essential material by reference. “Essential material” is material that is necessary to:

(1) Provide a written description of the claimed invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and set forth the best mode contemplated by the inventor of carrying out the invention as required by 35 U.S.C. 112(a);

(2) Describe the claimed invention in terms that particularly point out and distinctly claim the invention as required by 35 U.S.C. 112(b); or

(3) Describe the structure, material, or acts that correspond to a claimed

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means or step for performing a specified function as required by 35 U.S.C. 112(f).

(e) Other material (“Nonessential material”) may be incorporated by reference to U.S. patents, U.S. patent application publications, foreign patents, foreign published applications, prior and concurrently filed commonly owned U.S. applications, or non-patent publications. An incorporation by reference by hyperlink or other form of browser executable code is not permitted.

(f) The examiner may require the applicant to supply a copy of the material incorporated by reference. If the Office requires the applicant to supply a copy of material incorporated by reference, the material must be accompanied by a statement that the copy supplied consists of the same material incorporated by reference in the referencing application.

(g) Any insertion of material incorporated by reference into the specification or drawings of an application must be by way of an amendment to the specification or drawings. Such an amendment must be accompanied by a statement that the material being inserted is the material previously incorporated by reference and that the amendment contains no new matter.

(h) An incorporation of material by reference that does not comply with paragraphs (c), (d), or (e) of this section is not effective to incorporate such material unless corrected within any time period set by the Office, but in no case later than the close of prosecution as defined by § 1.114(b), or abandonment of the application, whichever occurs earlier. In addition:

(1) A correction to comply with paragraph (c)(1) of this section is permitted only if the application as filed clearly conveys an intent to incorporate the material by reference. A mere reference to material does not convey an intent to incorporate the material by reference.

(2) A correction to comply with paragraph (c)(2) of this section is only permitted for material that was sufficiently described to uniquely identify the document.

(i) An application transmittal letter limited to the transmittal of a copy of

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the specification and drawings from a previously filed application submitted under paragraph (a) or (b) of this section may be signed by a juristic applicant or patent owner.

[78 FR 62401, Oct. 21, 2013]

### § 1.58 Chemical and mathematical formulae and tables.

(a) The specification, including the claims, may contain chemical and mathematical formulae, but shall not contain drawings or flow diagrams. The description portion of the specification may contain tables, but the same tables should not be included in both the drawings and description portion of the specification. Claims may contain tables either if necessary to conform to 35 U.S.C. 112 or if otherwise found to be desirable.

(b) Tables that are submitted in electronic form (§§ 1.96(c) and 1.821(c)) must maintain the spatial relationships (e.g., alignment of columns and rows) of the table elements when displayed so as to visually preserve the relational information they convey. Chemical and mathematical formulae must be encoded to maintain the proper positioning of their characters when displayed in order to preserve their intended meaning.

(c) Chemical and mathematical formulae and tables must be presented in compliance with § 1.52(a) and (b), except that chemical and mathematical formulae or tables may be placed in a landscape orientation if they cannot be presented satisfactorily in a portrait orientation. Typewritten characters used in such formulae and tables must be chosen from a block (nonscript) type font or lettering style having capital letters which should be at least 0.422 cm. (0.166 inch) high (e.g., preferably Arial, Times Roman, or Courier with a font size of 12), but may be no smaller than 0.21 cm. (0.08 inch) high (e.g., a font size of 6). A space at least 0.64 cm. (1/4 inch) high should be provided between complex formulae and tables and the text. Tables should have the lines and columns of data closely spaced to conserve space, consistent with a high degree of legibility.

[69 FR 56540, Sept. 21, 2004, as amended at 78 FR 62401, Oct. 21, 2013]